

Desulfurization of Pig Iron Outside the Blast Furnace

S/193/61/000/002/001/009  
A005/A004

- a) Mg-consumption kg/t of pig iron; b) S-content in the pig iron in %, c) before, d) after desulfurization; e) Eliminated S kg per 1 t pig iron; f) Mg-consumption kg/kg of sulfur before desulfurizing; g) Mg-consumption kg/kg eliminated S; h) Desulfurization degree in %

Расход ма- гния, кг/т чугуна а	Содержание серы в чугуне, % б		Удалено серы, кг из 1 т чугуна е	Расход ма- гния, кг/кг серы до обессерни- вания f	Расход ма- гния, кг/кг удаленной серы g	Степень обессе- ривания, % h
	до обессе- ривания с	после обессе- ривания d				
1.04	0.030	0.005	0.25	3.46	4.00	83.0
0.50	0.050	0.028	0.22	1.00	2.22	46.0
0.93	0.071	0.012	0.59	1.31	1.59	83.0
1.00	0.087	0.017	0.70	1.15	1.43	80.0
1.10	0.117	0.017	1.00	0.94	1.10	85.4
1.10	0.124	0.007	1.18	0.88	0.93	94.4
1.20	0.129	0.007	1.22	0.93	0.98	94.6
1.23	0.140	0.010	1.30	0.88	0.95	93.0
1.40	0.159	0.037	1.22	0.88	1.14	76.8

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Figure 2 shows the schematic of the melting and blowing apparatus of the desulfurization installation in two variants, either with electric or gas heating. For electric heating, coils of nichrome are employed rated for three-phase current of 380 v; the melting of 70 kg Mg takes about 30 min. The gas-heating unit has three gas burners placed tangentially through  $120^\circ$  and inclined through  $60^\circ$  to the vertical axis. Coke gas is employed; the melting of 80 kg Mg takes about 25 min. The melting and blowing apparatus consists of the following components: metallic housing 1; reciprocating engine 2 mounted on the housing cover; the housing is lined with foam fire bricks 3; thick walled-steel crucible 4 for Mg melting placed inside the housing; bottom 5 of the crucible; the Mg supply line 6 welded to the crucible bottom; stopper device 7 at the end of the Mg-supply line; hollow rod 8 passing through the crucible and Mg-supply line axis; blind tube 9. The steel Mg-supply line consists of three members and has an axial bore 54 mm in diameter by which the magnesium is fed from the crucible into the pig iron; the external surface of the conductor is faced with refractory material. Thermocouples are used to measure the temperature in the Mg-supply line and in the melting crucible; Argon is being supplied to the crucible at 0.2 atg during the melting; and 3 atg during desulfurizing. The control of the electro-crane and the valves supplying the air into the reciprocating engine is effected from a control panel.

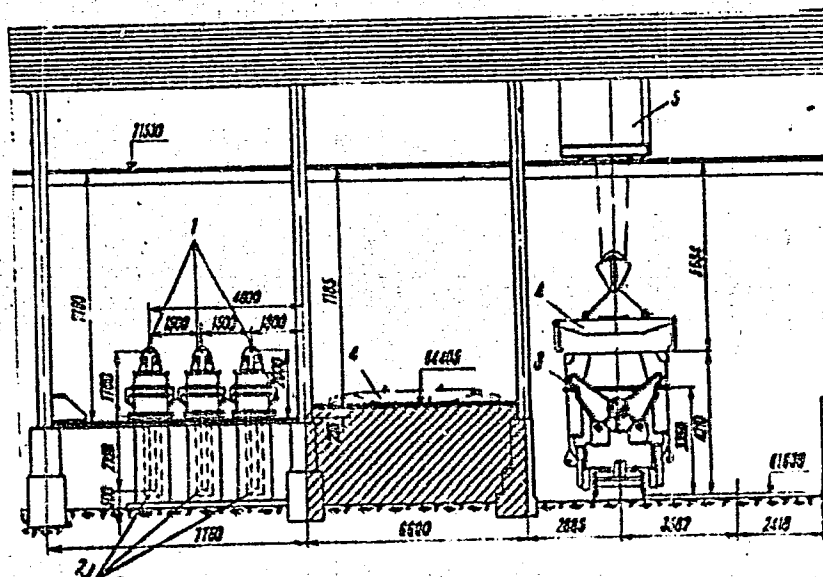
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## Deculfurization of Pig Iron Outside the Blast Furnace

8/193/61/000/002 001/009  
A005/A004

Figure 1:

Schematic of the experimental desulfurization installation.



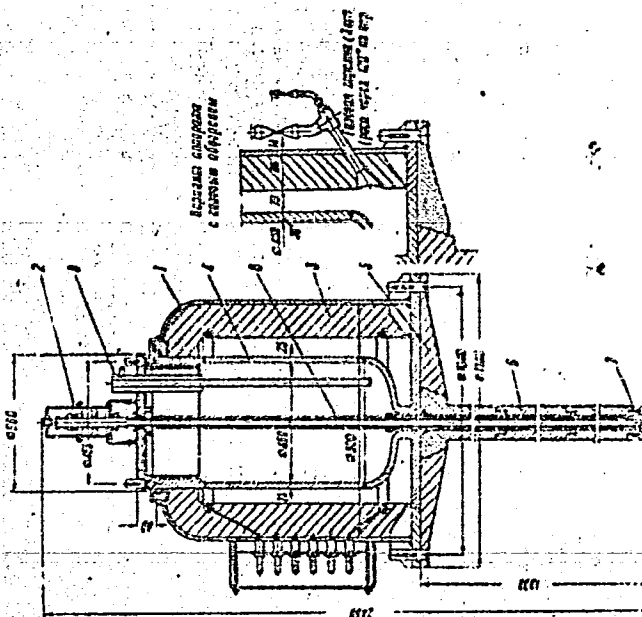
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Figure 2:

Schematic of the melting and blowing apparatus.



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DENISOV, Nikolay Mitrofanovich; SAMOYLENKO, P., otv. red.; VARNAKOVA, N.,  
red.; RUDINA, G., red.; YURMANOVA, A., red.

[Reinforced-concrete supports and their use in Kuznets Basin  
mines] Zhelezobetonnaia krep' i ee primeneniye na shakhtakh  
Kuzbassa. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1999. 177 p.  
(MIRA 15:11)

(Kuznetsk Basin--Mine timbering)  
(Reinforced concrete construction)

ROZHDESTVENSKIY, O.A.; YURMANOVA, M.K. (Kuybyshev)

Osteosynthesis of fractures of the lower jaw using metallic pins  
without incision of the soft tissues. Stomatologiya 41 no.4:43-44  
Jl-Ag '62. (MIRA 15:9)

(INTERNAL FIXATION OF FRACTURES) (JAWS--FRACTURE)

GRIGOR'YEVA, I.G.; PUPRIK, N.Ye.; YURMANSKAYA, I.P.

Separation of n-propyl alcohol from the factory propyl-allyl  
fraction of alcohols. Khim. prom. 41 no.10:786 0 '65.  
(MIRA 18111)

1. Kuybyshevskiy zavod sinteticheskogo spirta.

~~YURMAZOV, V., inzh.~~

Remote control of water level in tanks. Mast. ugl. 7 no.3:19-20  
Kr '58. (MIRA 11:3)

(Liquid level indicators)  
(Remote control) (Coal preparation)



YURMIN, Ye.A. (L'vov)

Rupture of the corpora cavernosa penis. Khirurgia no.9:73 S '54.  
(PENIS, wounds and injuries, (MLRA 7:12)  
corpora cavernosa rupt.)  
(WOUNDS AND INJURIES,  
corpora cavernosa)

YURMIN, V.B.A.

Influence of the central nervous system on the growth and development of transplanted Brown-Pearce carcinoma. Medych. zhur. 24 no. 3: 28-31 '54. (MLRA 8:10)

1. L'vivs' kiy medicniy institut, klinika gostpital'noi khirurgii.

(NEOPLASMS, experimental,  
Brown-Pearce carcinoma, eff. of CNS on growth)  
(CENTRAL NERVOUS SYSTEM, physiology,  
regulation of Brown-Pearce carcinoma growth)

YURMIN, Ye.A.

Energy metabolism and tissue composition in thyroid diseases.  
Probl. endok. i gorm. 10 no.4:45-49 JI-Ag '64. (MIRA 18:6)

1. Kafedra gospiatal'noy khirurgii (sav.- prof. L.N. Kusmenko)  
L'vovskogo meditsinskogo instituta.

PODIL'CHAK, M.D.; MAKAR, D.A.; YURMIN, Ye.A.

Effect of estrogenic hormones on blood cholesterol and proteins.  
Acta med.hung.16 no.3:269-277 '60.

1. Iz kafedry gosital'noy khirurgii (zav. kafedroy prof.  
L.N. Kuz'menko) L'vovskogo meditsinskogo instituta.  
(CHOLESTEROL blood)  
(BLOOD PROTEINS pharmacol)  
(ESTROGENS pharmacol)

YUROCHKIN, M. V.

Agriculture

Organization of artificial impregnation of sheep put out to pasture; Alma-ama, Kazakhshoe gos.izd-vo, 1950. (Bibliotekha Kolkhoznika).

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED

YUROCHKIN, M. V.

Peredovoy zoovetuchastok (Outstanding Zooveterinary Section). (Sarkandsk Rayon). Alma-Ata. Kazgosizdat. 1951. 64 pages with illustrations. In the Kazakh language.

U-5235

YUROCHKIN, S.Ya., khudozhnik-konstruktor

The artist and industrial esthetics. Sudostroenie 30 no.10:

3-5 0 '64.

(MIRA 17:12)

YUROCHKIN, V.I.

Case of formation of serum calculi following the use of a hemostatic  
sponge. Sov. med. 23 no.3:125-126 Mr '59. (ICIA 12:4)

(HEMOSTATICS,

hemostatic sponge causing blood calculi (Rus))

(THROMBOSIS, etiol. & pathogen,

blood calculi caused by hemostatic sponge (Rus))



YU. OCHENIKH, V. M.

29807

Nagul skota v kolkhozakh Aryk-Balykskogo Rayona Kazakhskey  
SSr. Sots. Zhivotnovodstvo, 1949, No. 5, S. 23-25

SO: LETOFIA' NO. 40

YUROCHKINA, P.I.

Case of a developmental anomaly of the large intestine. Khirurgiia  
no.11:118-119 '61. (MIRA 14:12)

1. Iz kafedry obshchey khirurgii (zav. - dotsent A.B. Dairov)  
Aktyubinskogo meditsinskogo instituta.  
(INTESTINES - ABNORMALITIES AND DEFORMITIES)

~~YURON~~ Aleksandr Yur'yevich; GUSAKOVA, A.G., red.; NAZAROVA, A.S.,  
tekhn. red.

[Hello, universe!] Zdravstvui, Vselennai! Moskva, Izd-  
vo "Znanie," 1961. 63 p. (MIRA 16:9)  
(Space flight training) (Space flight)

REC NR: AP6033028

(N)

SOURCE CODE: UR/0050/66/000/009/0040/0043

AUTHORS: Yurokin, A. I.; Sinyurin, Yu. N.

ORG: Main Administration of the Hydrometeorological Service (Glavnoye upravleniye Gidrometeosluzhby)

TITLE: Results of the analysis of drifting radio beacons and automatic radiometeorologic stations in the Arctic Ocean

SOURCE: Meteorologiya i gidrologiya, no. 9, 1966, 40-43

TOPIC TAGS: ocean current, sea water, radiometeorologic station, radio beacon / VEkha radio beacon, DARNs radiometeorologic station

ABSTRACT: Drifts of ice on the Arctic Ocean were studied during 1953-1965 by radio-range beacons. The information was of interest to hydrometeorological stations serving navigation in that area. All together, 247 radio-range beacons were established throughout the region. These were of two types: 1) VEkha, fitted with automatic medium-wave transmitters; 2) DARNs, or drifting automatic radiometeorologic stations. It was established that the average distance of the signal reception from the beacons is about 800 miles. Spring and winter are the optimal periods for information collection; during the summer many of the stations ceased to operate. By using the data on ice drift from the beacons and the ice movement calculated from isobars, it is possible to determine the velocity and direction of sea currents. Orig. art. has: 1 table and 3 figures. 17/

Card 1/1 SUB CODE: 08/ SUM DATE: 21Dec65 WDC: 551.46.062.8(268)

YUROSHKEVICH, K.M., master (Leningrad)

Some methods of repairing diesel trains. Elek. i topl. tiaga 3  
no.3:20 Kr '59. (MIRA 12:5)

1. Dizel'nyy tsakh elektrodapo Leningrad-Baltiyskiy.  
(Diesel locomotives--Maintenance and repair)  
(Railroads--Cars--Maintenance and repair)

SOV/109-3-8-17/18

AUTHORS: SOV/109-3-8-17/18  
Alekseyeva, A.P., Basalayeva, N. Ya., Yelinson, M.I., Zernov,  
D.V., Kul'Varaskaya, B.S., Lifshits, T.M., Savitskaya, Ya.S.,  
Sena, L.A., Shabel'nikova, A.E. and Yurosova, V. Ye.

TITLE: The Eighth All-Union Conference on Cathode Electronics (8-ye  
vsesoyuznoye soveshchaniye po kathodnoy elektronike)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol 3, Nr 8, pp 1092 - 1103 (USSR)

ABSTRACT: The conference took place during October 17-23, 1957, in Leningrad  
at the Fiziko-tekhicheskoy institut AN SSSR (Physics-engineering  
Institute of the Ac.Sc. USSR). It was organized by the Soviet Ac.Sc.  
and was attended by Soviet scientists from Moscow, Leningrad, Kiyev  
and other towns of the Soviet Union as well as by delegates from  
Hungary, Czechoslovakia and Romania. Altogether, over one hundred  
lectures were delivered at the conference. These were divided into  
the following sections; thermionic emission and the technology of  
thermionic cathodes; secondary electron emission; photo-electron  
emission; field electron emission; cathode conductivity phenomena;  
ionic processes and gas discharges. Some of the papers

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SOVE109-3-8-17/18

The Eighth All-Union Conference on Cathode Electronics

read at the conference are published in the present issue of the journal; in fact, all the papers in this issue were read at the conference. Some of the papers were published in an earlier issue of the journal (Vol 2, Nr 12, 1957). A number of papers from the conference are being published in "Izvestiya AN SSSR, Ser. Fiz" Nrs 4 and 5 and also in various other journals. The present report gives brief summaries of a large number of the papers presented at the conference.

SUBMITTED: February 4, 1958

Card 2/2 1. Cathodes (Electron tube) 2. Thermionic emission 3. Secondary emission 4. Photoemission 5. Field emission

YUROV, A.

The inspection of two-stage four-cylinder compressors. Khel.tekh.33  
no.1:27-29 Ja Kr '56. (MLRA 9:7)  
(Compressors)



LAGUTINA, Yekaterina Ivarovna; NIKOLAYEVA, Nadezhda Vasil'yevna;  
YURGV, A.D., otv. red., PETROVSKAYA, T.I., red.

[Countries of Africa: a regional economic and geographical  
survey] Strany Afriki; regional'nyi ekonomiko-geografiche-  
skii sbzor. Leningrad, Izd-vo Leningr. univ., 1965. 93 p.  
(MIRA 18:8)

110 / YUROV, A. I.  
1952

*Preliminary detection.* A. I. Yurov (Sakhar. *Prav.*, 1952, No. 3, 27-29; *Sug. Ind. Abstr.*, 1952, 14, 84-85). On returning a portion of incompletely saturated first saturation juice (containing 0.03-0.08% of CaO), a juice resulted which contained only 0.03-0.04% of CaO, and which was darker after filtration than before recirculation. On further liming to 0.15% CaO, good results, including good filterability, were obtained, even with deteriorated beets. P. S. ARUP.

YUHOV, A. T.

USSR (600)

Sugar Industry

Clarification of yellow sugar by diffusion juice. Sakh prom 26 no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195<sup>1</sup><sub>8</sub>, Uncl.  
2

YUROV, A.T.

Increase the precision of analyses carried out in factory raw material laboratories. Sakh.prom. 27 no.4:15-19 Ap '53. (MLRA 6:6)

1. Veselo-Podolyanskiy sakharnyy zavod. (Beets and beet sugar--Analysis)

YUROV, A.T.

Perfected rotary diffusion apparatus. Sakh.prom.30 no.11:27-31 N  
'56. (MLRA 10:2)

1. Artemovskiy sakharный zavod.  
(Sugar machinery)

YUROV, A.T.

improving the technological aspects of liming. Sakh. prom. 32  
no. 4:18-21 Ap '58. (MIRA 11:6)

1.Artemovskiy sakharный zavod.  
(Sugar manufacture)



L 003-14  
ACCESSION NR: AP5007273

these indices during acceleration. The respiratory rate of Gagarin, Titov, Nikolayev, Bykovskiy, and Popovich (14—26 cycles per min on earth) increased by 4—13 cycles per min under 3-g acceleration. During acceleration before and after weightlessness the pulse of most of the cosmonauts showed an increase of 12—35 beats per min over that registered during horizontal flight. Systolic pressure increased 5—15 mm Hg under acceleration, while diastolic pressure varied little (117—120/75—82 mm Hg on earth). Cardiovascular and respiratory activity had usually returned to normal by the end of the period of weightlessness (12.5—15 min after the last "peak" of the flight); the rate of normalization varied with the individual. Autonomic reactions are not altered by a short period of weightlessness (as determined by Voznesenski's otolithic test). Finger-to-nose tests with the eyes closed were performed successfully by cosmonauts during and after flight. The illusion of counterrotation and postrotational nystagmus were markedly pronounced after the first flight, and decreased after each subsequent flight. The illusion of counterrotation decreased by 1—3 sec on the average. Reduction of postrotational nystagmus was sharper (1—7 sec). For example, V. V. Tereshkova had an illusion of counterrotation before the first flight of 12 sec, before the third of 6 sec, and before the fourth of 5 sec. Cornea-

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L 4213-45

ACCESSION NR: AP5007273

ponding data for six other cosmonauts are given. Spatial orientation in conditions of weightlessness was possible when cosmonauts could visually check the aircraft's position. But with the eyes closed, all suffered illusory sensations of their position in the chamber and that of the aircraft in space. Coordination of movements was tested during flight on a "coordinograph" (measuring time of total operation, number of errors, time of single operation, etc.), and by a writing test. For most cosmonauts the coordinograph showed some delay in the rate of execution of motor acts but no signs of disruption of coordination. Cosmonauts tried to perform a given task under conditions of weightlessness with the same muscular force as on earth. On the first flight, they all used 250—4250 grams more force than required, except for V. P. Bykovskiy, who used only 50 grams too much. These excesses diminished gradually with subsequent flights, until by the second to the fifth flight, the cosmonauts maintained the required force sufficiently stably. Maximum muscular strength (measured on a hand dynamometer) was considerably lowered in conditions of weightlessness, as compared with horizontal flight (6—12 kg for the right hand, 4—12 kg for the left). Individual differences in sensory,

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L 4134-61

ACCESSION NR: AP5007273

motor, and autonomic reactions noted in these tests prove the value of such research in the cosmonaut selection program. Orig. art. has: 6 figures and 5 tables. [JS]

ASSOCIATION: none

SUBMITTED: 05Jan63

ENCL: 00

SUB CODE: PH,LS

NO REF GOV: 022

OTHER: 011

ATD PRESS: 3237

Card 4/4

I 1925-66 FSS-2/PAT(1)/FS(x)-3 DD/ND

ACC NR: AP5024151

SOURCE CODE: UR/0216/65/000/005/0633/00.

AUTHOR: Kas'yan, I. I.; Krasovskiy, A. S.; Kolozov, I. A.; Lomova, M. A.; Lebedev, V. I.; Yurov, B. N.

ORG: none

TITLE: Some physiological reactions of man to short-term weightlessness

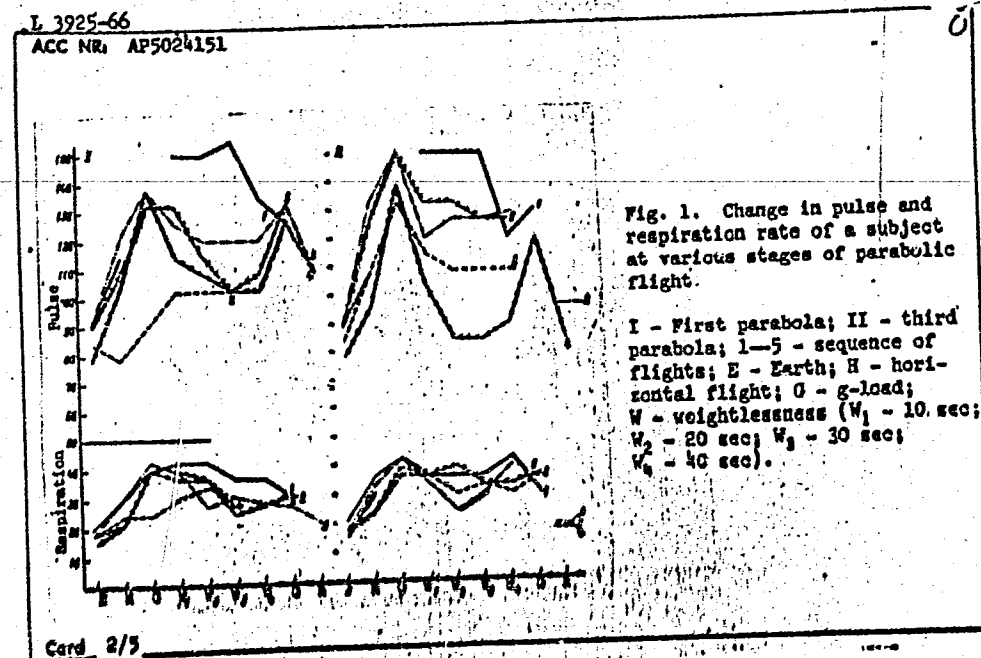
SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 5, 1965, 633-646

TOPIC TAGS: weightlessness, parabolic flight, human physiology, vestibular analyzer

ABSTRACT: Experiments were conducted with the participation of 31 men (aged 23—38 yr) representing various professions. The subjects were subdivided into 4 groups according to profession. Parabolic flights took place on a jet aircraft where weightlessness could be produced for 40—50 sec. Examinations took place before and after weightlessness and g-forces were 2.5—3.5 g with 2—3 min breaks between parabolas. In all, 120 flights representing 360 parabolas were flown. During the flights, the bioelectricity of the brain (EEG), heart biopotentials (EKG), respiration rate, blood composition, and vestibular reactions were studied. Results are given in Figs. 1 and 2 and Tables 1 and 2. It was concluded that periodic parabolic flights are useful in acquainting cosmonauts with short-term weightlessness and establishing criteria for selecting space-flight crews. No pathological alterations in physiological function or radical deviations in blood morphology or biochemistry were noted as a result of parabolic flights.

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UDC: 622.195:612.829.3



I. 3925.66  
ACC NR: AP5024191

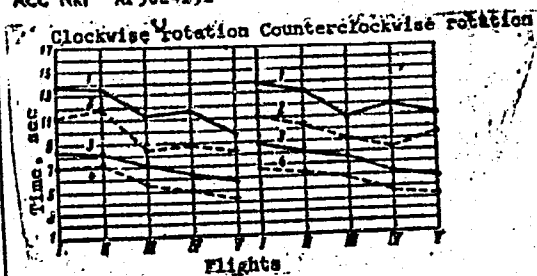


Fig. 2. Duration of postrotational nystagmus (1 - before, 2 - after flight) and counterrotation illusions (3 - before, 4 - after flight) during the performance of a Voyachev otolithic probe

Table 1. Changes in respiration rate at various stages of parabolic flight (compared with horizontal flight prior to weightlessness)

Change in resp. rate	G load	Weightlessness			G load	Horizontal flight
		I parab.	II parab.	III parab.		
Increase	11	9	7	8	8	15
No change	14	19	20	—	13	11
Decrease	3	3	4	—	2	—
No. investigated	28	31	31	8	23	26

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L 3925-66

ACC NR: AP5024151

Table 2. Content of nonesterized fatty acids during parabolic flight (milliequivalents/liter)

Subject No.	1963 flight date	Before flight	After 1st flight	After 2nd flight	Comments
1	12	630	1550*	—	1. No flight before first test
	23	380	660*	—	"
	12	200	1390*	—	2. First test after normal flight
	16	—	270	260	"
	17	—	220	310*	3. Flight before first test
2	24	120	180*	—	4. No flight before first test
	16	—	290	260*	5. 3 flights before first test
3	23	260	120*	—	6. No flights before first test
	24	—	120	430*	7. 1 flight before first test
4	17	240	250*	—	8. No flights before first test
	26	200	270*	430*	"
	17	440	550*	470	"
5	23	200	320*	—	9. First test after normal flight
	24	—	320	760*	"
	17	—	440*	220	10. No flights before first test
6	23	370	530*	—	11. First test after normal flight
7	26	—	320	320*	"

\* Flights simulating weightlessness

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Is 3925-66  
ACC NR: AP5024151

After the first exposure to parabolic flight, it was common for the concentration of nonesterized fatty acids to increase. Criteria indicating sufficient stability to short-term weightlessness are: insignificant changes in pulse rate relative to normal values during weightlessness, abbreviated illusions of counterrotation and postrotational nystagmus after a series of parabolic flights, and the absence of unfavorable sensory and vestibular autonomic reactions characterized by spatial illusions, giddiness, or nausea. Orig. art. has: 5 tables and 4 figures. (CD)

SUB CODE: 18/ SUBM DATE: 27May69/ ORIG REF: 024/ OTH REF: 013/ ATD PRESS: 7120

*John*  
Card 5/5

KAS'YAN, I.I.; KRASOVSKIY, A.S.; KOLOSOV, I.A.; LOMOVA, M.A.; LEBEDEV, V.I.;  
YUROV, B.N.

Some physiological reactions of the man in weightlessness.

Izv. AN SSSR. Ser. biol. no.5:633-646 S-O '65.

(MIRA 18:9)



*YUKOV, G. N.*  
SHIRONOV, V.V.; ORLOVA, N.S.; KODACHENKO, M.V.; YUROY, ~~G.A.~~

Observations of the lunar eclipse of November 29, 1955, at  
the Astronomical Observatory of Leningrad University. Astron.  
tsirk. no.171:7-10 J1 '56. (MLRA 9:12)

(Eclipses, Lunar--1955)

GIRSHOVICH, V., inzh; YUROV, I., inzh.

New carburetors for "Moskvich" automobiles. Za rul. 17 no.11:  
18-20 N '59. (MIRA 13:4)

1. Leningradskiy karbyuratornyy zavod imeni Kuybysheva.  
(Automobiles--Engines--Carburetors)

SHIPOV, D.; YUROV, I.

The K-126P carburetor. Avt.transp. 43 no.11:46-49 N '65.  
(MIRA 18:12)

1. Moskovskiy zavod malolitrzhnykh avtomobiley (for Shipov).
2. Leningradskiy karbyuratornyy zavod (for Yurov).

YUROV, I., arkhitektor

Kurek is a city for hydroelectric power station construction  
workers. Zhil. stroi. no. 11:20 N '61. (MIRA 16:7)

(Kurek—City planning)

YUROV, I., inzh.

Beacons of an automotive transportation unit of communist labor.  
Avt.transp. 41 no.4:11 Ap '63. (MIRA 16:5)

1. Zaporozhavtopremtrest.  
(Zaporozh'ye--Transportation, Automotive)

YUROV, K.

MATVEYEV, Ye.; YUROV, K.

Provide higher-grade milling equipment. Muk.-elev.prom. 21 no.7:32  
Jl.'57. (MLRA 10:9)

1. Ivanovskoye oblastnoye upravleniya khleboproduktov (for Matveyev).
2. Aleyskaya mel'nitsa No.14 (for Yurov).  
(Grain-milling machinery)

ACC NR/AP6028159 (A,N) SOURCE CODE: UH/0346/66/000/008/0021/0024

AUTHOR: Yurov, K. P. (Aspirant)

ORG: All-Union Institute of Experimental Veterinary Science (Vsesoyuznyy institut eksperimental'noy veterinarii)

TITLE: Properties of Newcastle disease, infectious bronchitis, and laryngotracheitis viruses during mixed infections in fowl

SOURCE: Veterinariya, no. 8, 1966, 21-24

TOPIC TAGS: animal disease, virus disease, veterinary medicine, ~~fowl~~, Newcastle disease, infectious bronchitis, laryngotracheitis, ~~RESPIRATORY~~ SYSTEM DISEASE, ~~SYNERGISM~~, VIROLOGY

ABSTRACT: Fowl were injected with Newcastle disease, infectious bronchitis, and infectious laryngotracheitis in various combinations to determine whether mixed viral infections are accompanied by independent development of both diseases, synergism (increased virulence of the viruses), or inter-

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UDC:619:616.988.73-078]:636.5

ACC NR:AP6028159

ference (lessened virulence of one virus). It was found that after simultaneous infection of chick embryos with infectious bronchitis (IB) and Newcastle disease (ND) viruses, IB showed interference with ND. However, in embryos infected with infectious laryngotracheitis (ILT) and ND, both viruses multiplied independently. Finally, chicks infected with either a combination of ND and IB, or of ND and ILT, were more severely ill than those infected with only one virus. Orig. art. has: 4 tables [EL]

[WA-50; CBE No. 14]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 004

Card 2/2



YUROV, K.P., veterinarnyy vrach

Streptococcosis of ducks. Veterinariia 41 no.7:46-47 J1 '64.  
(MIRA 18:11)

1. Yefremovskaya mezhrayonnaya veterinarnaya laboratoriya,  
Tul'skaya oblast'.

YUROV, M.; SIMAKOV, A., starshiy master.

School of printers. Prof. -tekhn. obr. 13 no.8:17 Ag '56.  
(MBA 9:10)

1. Direktor khudozhestvennogo remeslennogo uchilishcha  
poligrafistov No. 12, Kalinin (for Yurov).  
(Printing--Study and teaching)

CA

YUKOV, M. F.

20

Raising the output of cement mills in the "Ugust" mill.  
M. F. Yukov and S. I. Shaker. *Prostrel 17*, No. 4, 18  
(1951).—Grinding of clinker was raised from 15 to 18.5-  
19.8 tons/hr. by (1) increasing the length of the 1st com-  
partment from 1810 to 2210 mm. (this increase was at the  
expense of the 4th compartment), (2) raising the charge  
coeff. of the 2nd, 3rd, and 4th compartment, and (3) by  
increasing the r.p.m. from 15.2 to 21.5. M. Hosh

20

CA YUROV, M.F.

Water cooling of rotary kilns at the "Gigant" works.  
M. F. Yurov and N. V. Vasil'ev. *Farmat* 17, No. 6, 6-7  
(1961).—A description of air-cooling, spray-cooling, and  
water-jacket-cooling of rotary kilns. M. II.

YUROV, M.F., inzhener; VASIL'YEV, M.V., inzhener.

Water cooling systems for rotary kilns at the "Gigant" mill.  
TSement 17 no.6:6-7 H-D '56. (MLBA 9:8)  
(Armenia--Kilns, Rotary)

YUROV, M.P.

Some problems in over-all mechanization and automation. Cement  
26 no. 6:3-6 H-D, '60. (MIRA 13:12)  
(Cement plants--Equipment and supplies)  
(Automation)

YUROV, P., Yashkarov, S. i Vysotskiy, P.

Zavodskiy opyt polucheniya kirpicha iz zoly kashpirs'ogo slantsa,  
Goryuchiye Slantsy, 1933, No. 5, 37

SO: Goryuchiye Slantsy, No. 1934-35

TN .871  
.674

BUSHUYEV, V.P.; GUBIN, G.V.; GONCHARENKO, Yu.I.; KARMAZIN, V.I.;  
MARGULIS, V.S.; MITROV, V.A.; NIKOLAYENKO, N.O.; BOBRUSHKIN, L.G.;  
BUROV, A.I.; RYBAKOV, V.N.; SOSHIN, A.F.; TATSIYENKO, P.A.;  
TOVSTANOVSKIY, O.D.; YUROV, P.P.; Prinimali uchastiye:  
NIFAGINA, A.A.; CHERNYY, I.I.; GERSHOYG, Yu.G.; KOSTIKOV, A.G.;  
DOLGIKH, M.A.; MOVSKOVICH, S.A.; STUPIN, D.D.; NEVOYSA, G.G.

Magnetization roasting of Kerch ores in the experimental  
factory of Kamysh-Burun Combine. Gor. zhur. no.12:30-37  
D '62. (MIRA 15:11)

1. Institut Mekhanobrchermet, Krivoy Rog (for Bushuyev,  
Gubin, Goncharenko, Karmazin, Margulis, Mitrov, Nikolayenko,  
Nifagina, Chernyy, Gershoyg, Kostikov). 2. Kamyshburunskiy  
zhelezorudnyy kombinat, Kerch' (for Bobrushkin, Burov,  
Rybakov, Soshin, Tatsiyenko, Tovstanovskiy, Yurov, Dolgikh,  
M.A.; Movskovich, S.A.; Stupin, D.D.; Nevoysa).  
(Kerch Peninsula—Ore dressing)  
(Iron ores)



KARMAZIN, V.I., prof. doktor tekhn. nauk; DENISENKO, A.I., inzh.; YUROV, P.P.,  
inzh.

Industrial testing of the crushing without balls of lean magnetite  
rocks. Gor.zhur. no.2:67-70 F '64. (MIRA 17:4)

1. Dnepropetrovskiy gornyy institut (for Karmazin, Denisenko).
2. Kamyshburunskiy kombinat (for Yurov).

YUROV, P.P.

Concentrating Katerlesz trough iron ores of the Kerch peninsula deposit  
by means of magnetization roasting. Mat. 1 gornorud. prom. no. 2:59-61  
Mr-Ap '64. (MIRA 17:9)

YUROV, P.P. (Kerch'); TATSIYENKO, P.A. (Kerch')

Dependence of the magnetic susceptibility of oolites and  
cement on the degree of reduction of roasted Kerch ores.

Izv. AN SSSR. Met. i gor. delo no.4:24-28 JI-Ag '64.

(META 17:9)

YUROV, P.P.; TATSIYENKO, P.A.

Industrial testing of ore dressing systems for Kerch peninsula  
"tobacco" ores. Gor.zhur. no.10:63-64 0 '64.

(MIRA 18:1)

1. Kamyshburunskiy zhelezorudnyy kombinat.

BARISHPOLETS, Vladimir Trofimovich, dots., kand. tekhn. nauk;  
TATSIYENKO, Pavel Afanas'yevich, kand. tekhn. nauk;  
NEVOYSA, Grigoriy Grigor'yevich, kand. geol.-miner. nauk;  
YUROV, Petr Panteleyevich

[Dressing of brown iron ores] Obogashchenie burykh zhelez-  
niakov. [By] V.T.Barishpolets i dr. Moskva, Nedra, 1965.  
201 p. (MIRA 18:6)

YUROV, S. G.

PA 8784

USSR/Optical Systems  
Instruments, Optical

Apr 1947

"Increasing the Brightness of a Surface by Means  
of an Optical System," S. G. Yurov, 2 pp

"CR Acad Sci" Vol LVI, No 1

Intervention of an optical system between eye and  
surface viewed to increase apparent brightness of  
the surface.

8784

535.245.22  
 518. Two methods of determining the illumination due to large area sources of light. Yunov, S. G. *J. Tech. Phys., USSR*, 18, 1073-87 (Aug., 1948) *In Russian*. ... It is shown that no simple method of det. the illumination due to large area radiators has yet been given, although there is a definite need for it in illumination and thermal engineering. Author describes a simple type of integrator for determining the total intensity due to large area sources of any shape and angle of slope, as well as a grapho-analytical method of determination not requiring any special means such as nomograms, networks, etc. The latter method, too, is unrestricted in its application to sources of any shape and angular position. A.

A 518.51.4 METALLURGICAL LITERATURE CLASSIFICATION

PA 75T99

USSR/Physics

May 1948

Photoelectric Cells, Selenium

"Photometric Comparison of Selenium Photoelectric Cells With Compensation Filters," M. S. Kapnik and S. G. Yurav. All-Union Elec Eng Inst (Inst V. I. Lenin, Moscow, 5 pp.

"Zhur Tekh Fiziki" Vol XVIII, No 5

Description and results of comparative experiments carried out on 9 cells of different makes. Method used was to measure strength of a colored light first by using cell and then by a more accurate method. Quality of compensation of photo element was determined by divergence between measured and true values. Submitted 4 Nov 1947.

75T99



YUROV, S. G.

FA 22/49T84

USSR/Physics  
Films (Photography), Color

Jan 49

"Review of S. S. Baranov, S. V. Khludov and  
E. V. Shkol'skiy's 'Atlas of Filtration Spectra  
of Transparent Colored Films,' " S. G. Yurov,

1 p

"Uspekhi Fiz Nauk" No 1

Reviews very favorably. Published by Acad Sci  
USSR, 1948, 148 pp, price 10 rubles 40 kopeck.

~~49~~

22/49T84

YUROV, S. G.

PA 67/49T107

USSR/Physics - Photoelements  
Selenium

Aug 49

"Photometric Properties of Selenium Photoelements,"  
S. G. Yurov, V. S. Khazanov, 23 pp

"Uspekh Fiz Nauk" Vol XXXVIII, No 4

Discusses the "photoelement-illumination" characteristic curve, spectral characteristics, initial instability, stability of photoelements, inertia, the applicability of Talbot's law, the influence of temperature, measurement of polarized light, measurement of illumination created

USSR/Physics - Photoelements (Contd)

Aug 49

by sidealong light rays, and selenium photoelement circuits. Author supports the use of selenium photoelements for accurate measurements. Gives a number of conditions and precautions which must be observed if highly accurate measurements are to be obtained.

67/49T107

YUR'OV, S. G.

USSR/Medicine - Vision  
Medicine - Eyes

Jul 49

"Changes in the Spectral Sensitivity of the Eye at  
Great Brightnesses," S. G. Yurov, All-Union Electro-  
tech Inst imeni V. I. Lenin, 3 pp

"Dokl Ak Nauk SSSR" Vol LXVII, No 2

Photometric method shows that: Spectral sensitivity  
of the eye in a 6/250 decimillimeter range of bright-  
ness depends on the brightness, probably at a given  
moment, on previous adaptation of the observer, etc.  
and on spectral radiation falling on the eye.  
Changes in spectral sensitivity are a source of

54/49T92

USSR/Medicine - Vision (Contd)

Jul 49

error in optical photometry; they do not occur  
monotonously. Submitted by Acad S. I. Vavilov  
14 May 49.

54/49T92



YUROV S. G.

FA 172T90

USSR/Physics - Brightness Eye  
Eye, Color Vision

21 Oct 50

"Spectral Sensitivity of the Eye at a Given Level  
of Equivalent Brightness," S. G. Yurov, All-Union  
Electrotech Inst imeni Lenin

"Dok Ak Nauk" Vol LXXIV, No 6, pp 1077-1080

Term "equivalent brightness" signifies result of  
any measurement, with aid of the eye, by way of  
relating, with respect to lightness, variable  
radiation to calibrating or standard radiation,  
whose brightness is given in any units, in particu-  
lar converted according to standard curve of visi-  
bility. Submitted 10 Jul 50 by Acad S. I. Vavilov.  
172T90

S.A.  
Section A.

53

539,249  
606. Effect of temperature on the spectral transmission of coloured glass. S. G. YURIV AND V. S. KHAZANOV. *Izv. Akad. Nauk SSSR, Otdel Tekh. Nauk*, No. 12, 1792-1800 (1931) in Russian.  
Sixty different glasses of Russian manufacture all exhibited significant variation in spectral transmission ( $\lambda = 400 - 700 \text{ \AA}$ ) over the range  $-40^\circ\text{C}$  to  $200^\circ\text{C}$ . Transmission characteristics, of which 3 examples are given, were reversible, and some had up to 3 "nodes" of change of sign of temperature coefficient of transmission. Glasses most affected were those coloured with Se, Cu (yellow, orange, red); and Cr, Fe (green). The effect on various applications of coloured glass is estimated; e.g. a change in the temperature of an optical pyrometer of  $10^\circ\text{C}$  could result in a  $50^\circ\text{C}$  error in its reading.  
P. QUINN

YUROV, S.G.

Non-additiveness of equivalent types of brightness. Probl. fiziol.  
opt. no.10:59-62 '52. (MLRA 7:11)

1. Vsesoyuznyy ordena Lenina Elektrotekhnicheskiy Institut imeni  
VI. Ilenina. Svetotekhnicheskiy Sektor.  
(COLOR VISION,

non-additive equivalent types of brightness)

YUROV, S. G.

USSR/Physics - Photoelements

May 52

"Effect of Temperature on Spectral Sensitivity of Antimony-Cesium Photoelements," V. S. Khazanov, S. G. Yurov

"Zhur Tekh Fiz" Vol XXII, No 5, pp 744-746

Spectral characteristics of photoelements from 2,537 to 7,700 Å were tested by special equipment in a temp range from -20° to -60°C. Results are plotted into curves and reveal a particularity: the sensitivity of the cathode does not vary at 5,500 Å; it increases with temp in the red part (5,500 Å) and decreases in the blue part. Received 8 Oct 51.

222P75



YUROV, S.G.

"Experimental Data on Variations in the Spectral Sensitivity of the Eye,"  
Probl. Fiziol. Optiki, Vol 8, 1953, pp 47-54

The spectral sensitivity of the eye depends on the brightness and spectral composition of the incident light. It was found that in 85 percent of cases examined, there was a nonlinear increase in the visible brightness of the illumination. The author connects this phenomenon with a continuing shift toward the red side of the spectrum, even under daylight conditions. A second series of experiments showed that the nonlinearity of the visible brightness was less in a 2° field than in an 8° field. Measurements with a Pulfrich photometer confirmed these results. (RZhBiol, No 5, 1954)

SO: Sum. No. 536, 10 Jun 55

YURIYOV, S.G., kandidat tekhnicheskikh nauk

Spectral sensitivity of the eye in conditions of crepuscular adaptation. Svetotekhnika 1 no.1:12-15 P '55. (MLRA 8:9)

1. Vsesoyuznyy svetotekhnicheskii institut  
(Optics, Physiological) (Eye--Accommodation and  
refraction)

YUROV, S.G., kandidat tekhnicheskikh nauk

Calculating equivalent brightness. Svetotekhnika 1 no.2:3-5  
Ap '55. (MLBA 8:9)

1. Vsesoyuznyy svetotekhnicheskiy institut  
(Photometry)



YUROV, S.G.

BELEN'KIY, L.I.; KAZANSKAYA, M.Ye.; KHAZANOV, V.S.; YUBOV, S.G.

Testing the whiteness of fabrics with a FT-1 textile photometer.  
Tekst.prom. 15 no.4:43-47 Ap '55. (MIRA 8:5)  
(Photometry) (Textile fabrics--Testing)

Yurov, S.G.  
BELEN'KIY, L.I.; KHAZANOV, V.S.; YUROV, S.G.

The FT-1 reflecto meter. Zav.lav.21 no.8:995-999 '55. (MLRA 8:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy  
promyshlennosti  
(Textile fabrics--Testing) (Reflectometer)

YUROV, S.G.  
KHAZANOV, V.S., kandidat tekhnicheskikh nauk; YUROV, S.G., kandidat tekhnicheskikh nauk; BEIZEN'KIY, L.I., kandidat tekhnicheskikh nauk.

FT-2 universal photometer. Svetotekhnika 2 no.4:19-22 J1 '56.(MLRA 9:10)

1.Vsesoyuznyy Nauchno-issledovatel'skiy svetotekhnicheskiy institut  
(for Khazanov and Yurov). 2.TSentral'nyy nauchno-issledovatel'skiy  
Khlopchatobumazhnyy institut.  
(Photometer)

YUROV, S.G.

GUREVICH, M.M., professor; KARYAKIN, N.A., professor; MESHKOV, V.V.,  
professor; SOKOLOV, M.V., professor; TIKHODEYEV, P.M., professor;  
FABRIKANT, V.A., professor; IVANOVA, N.S., kandidat tekhnicheskikh  
nauk; SHNEYBERG, Ya.A.; YUROV, S.G.; ASHKENAZI, G.I., inzhener.

Professor L.D. Bel'kind; on his sixtieth birthday. Svetotekhnika  
2 no.5:26 S '56. (MLRA 9:11)

(Bel'kind, Lev Davidovich, 1896-)



YUROV, S.G., kandidat tekhnicheskikh nauk.

National congress of lighting engineers in France.  
Svetotekhnika 2 no.5:27-28 S '56.

(MLRA 9:11)

(France--Lighting--Congresses)

Category : USSR/Electronics - Semiconductor devices and photoelements

H-8

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1767

Author : Khazanov, V.A., Yurov, S.G.

Title : Concerning the Constancy of the Spectral Characteristic of Oxygen-Caesium and Antimony-Caesium Vacuum Photocells.

Orig Pub : Zh. tekhn. fiziki, 1956, 26, No 6, 1170-1173

Abstract : An investigation was made of the variation in the integral sensitivity and in the spectral distribution of the sensitivity as functions of the applied anode voltage in antimony-caesium photocells with cathode on a metal liner (silver) and in type IV-4 oxygen-caesium photocells over a range of anode voltages of 220 -- 6000 volts for the former and 220 -- 3000 volts for the latter. It was established that the integral sensitivity of antimony-caesium photocells starts to increase noticeably (by 1 -- 2%) only after the anode voltage rises to 1,000. A particularly substantial increase in the photocurrent is observed in this case near the red boundary (at 6 kv, the sensitivity increases by 15 -- 25% at  $\lambda = 6400 \text{ \AA}$ ). In the case of oxygen-caesium photocells, the integral sensitivity increases by 1 -- 1.5% as soon as the anode voltage rises to 500, and is increased by approximately 5% at 3,000 volts. The spectral characteristic of this cathode remains practically the same. Bibliography, 5 titles.

Card : 1/1

YUKOV, S. G.

BELOVA, L.T., kandidat tekhnicheskikh nauk.; OSTROVSKIY, M.A., kandidat tekhnicheskikh nauk.; YUKOV, S.G., kandidat tekhnicheskikh nauk.

Problem of reviewing the lighting norms for industrial buildings.  
Svetotekhnika 3 no.5:26-28 My '57. (MLRA 10:5)

1. Vsesoyuznyy svetotekhnicheskii institut.  
(Lighting--Standards)

YUROV, S.G.

YUROV, S.G., kand. tekhn. nauk; KHAZANOV, V.S., kand. tekhn. nauk.

Forty years of theoretical and applied photometry. Svetotekhnika 3  
no.11:19-22 N '57. (MIRA 10:12)

1. Vsesoyuznyy svetotekhnicheskiy institut.  
(Photometry)

*Yurov, S.G.*  
VUL'FSON, K.S., prof.; GUREVICH, M.M., prof.; MESHKOV, V.V., prof.; NILENDER, R.A., prof. YUROV, S.G., kand. tekhn. nauk; SOKOLOV, M.V., prof.; BIBERMAN, L.M., kand. tekhn. nauk; BUTAYEVA, F.A., kand. tekhn. nauk; IVANOVA, N.S., kand. tekhn. nauk; SUSHKIN, N.G., kand. tekhn. nauk.

Valentin Aleksandrovich Fabrikant; on his 50th birthday. Svetotekhnika 3 no.12:24-25 D '57. (MIRA 11:1)  
(Fabrikant, Valentin Aleksandrovich, 1907-)

~~GOBBACHEV~~, N.V., kand. tekhn. nauk; YUROV, S.G., kand. tekhn. nauk.

The 1957 A.F.E. congress. Svetotekhnika 3 no.12:25-27 D '57.

(MIRA 11:1)

1. Vsesoyuznyy svetotekhnicheskiy institut.  
(Lyons, France--Lighting--Congresses)

YUROV, S.G., kand. tekhn. nauk.

General scheme for building up a system of photometric magnitudes.  
Svetotekhnika 4 no.9:10-17 S '88. (MIRA 11:8)

1. Vsesoyuznyy svetotekhnicheskiy institut.  
(Photometry)

KHAZANOV, V.S., kand.tekhn.nauk; YUROV, S.G., kand.tekhn.nauk

Telephotometer for measuring searchlight light distribution.  
Svetotekhnika 4 no.12:16-18 D '58. (MIRA 11:12)

1. Vsesoyuznyy svetotekhnicheskiy institut.  
(Photometers) (Searchlights)



YUROV, S.G.; MYURENBERG, N.D.

Night and daylight vision; report by the Secretariat 1.4.1 of the  
International Commission on Illumination. Svatotekhnika 5 no.3:1-14  
Mr'59. (MIRA 12:3)

(Vision)

YUROV, S.G., kand. tekhn. nauk

Congress on limiting and checking the brightness of luminaires.  
Svetotekhnika 5 no.8:4-5 Ag '59. (MIRA 13:2)  
(Electric lighting--Congresses)

GORBACHEV, N.V., kand.tekhn.nauk; GOREV, Z.M., kand.tekhn.nauk; YERMOLINSKIY,  
N.N., inzh.; FOL'B, R.L., inzh.; KHAZANOV, V.S., kand.tekhn.nauk;  
SHEFTEL', Ye.B., kand.tekhn.nauk; SHKLOVER, D.A., kand.tekhn.nauk;  
YUROV, S.G., kand.tekhn.nauk

Principal works of professor S.O.Maizel' in the field of lighting  
engineering. Svetotekhnika 6 no.7:1-9 JI '60. (MIRA 13:7)

1. Vsesoyuznyy svetotekhnicheskiy institut.  
(Electric lighting) (Maizel', Sersei Osipovich, d. 1955)

GORBACHEV, N.V., kand.tekhn.nauk; GOREV, Z.M., kand.tekhn.nauk; KHAZANOV, V.S.,  
kand.tekhn.nauk; SHEFTEL', Ye.B., kand.tekhn.nauk; SHELOVER, D.A.,  
kand.tekhn.nauk; YUROV, S.G., kand.tekhn.nauk; YERMOLINSKIY, N.N.,  
inzh.; FOL'B, R.L., inzh.

Letter received by the editor of "Svetotekhnika." Svetotekhnika 8  
no.1:30 Ja '62. (MIRA 15:1)

(Sight) (Electric lighting)

YUROV, S.G., kand.tekhn.nauk

Standard types of light fixtures. Svatotekhnika 8 no.4:1-6  
Ap '62. (MIRA 15:4)

1. Vsesoyuznyy svetotekhnicheskiy institut,  
(Electric light fixtures)

GLAZUNOV, T.K., knad.fiz.-matem.nauk; YUROV, S.G., knad.tekhn.nauk

Role and tasks of the All-Union Lighting Engineering Institute.  
Svetotekhnika 8 no.11:3-9 N°62. (MIRA 15:10)  
(Electric lighting)

AYZENBERG, Yu.B.; GORBACHEV, N.V.; GOREV, Z.M.; DEMCHEV, V.I.;  
YEFIMKINA, V.F.; IVANOVA, N.S.; KOMISSAROV, V.D.; MARKIZOVA, G.B.;  
MESHKOV, V.V.; OSTROVSKIY, M.A.; RATNER, Ye.S.; SHEFTEL', Ye.B.;  
YUROV, S.G.

Nikolai Nikolaevich Ermolinskii; obituary. Svetotekhnika 8  
no.12:28 D '62. (MIRA 16:1)  
(Ermolinskii, Nikolai Nikolaevich, 1894-1962)

YUROV, S.I.

[Experiments in physics for students to be done at home] Domashnie  
eksperimental'nye raboty uchashchikhsia po fizike. Moskva, Uch-  
pedgis, 1954. 180 p.

(MIRA 7:11D)



YUROV, S.I.

Simple experiments demonstrating Archimedes' principle. Fiz. v shkole 14 no.4:60-62 JI-Ag '54. (MLRA 7:7)

1. Pedagogicheskii institut, Velikiye Luki.  
(Floating bodies) (Physics--Experiments)

YUROV, S.I.

A few simple experiments. Fiz.v shkole 16 no.5:75-76 S-O '56. (MIRA 9:11)

1. Pedagogicheskiy institut, g. Lipetsk.  
(Physics--Experiments)

UDOV, S.I. (g.Lipetsk)

Illustration for the demonstration of the effective value of alternating current. Fiz. v shkole 20 no.3:96 My-Je '60. (MIRA 13:11)

(Electric currents, Alternating)

TETERIN, Yegor Nikolayevich; SHUBIN, Nikolay Vasil'yevich;  
 OCHERET'KO, Aleksandr Konstantinovich; PAVLOV,  
 Vitaliy Fedorovich, dots; BARANOV, A.N., retsenzent;  
 SUKHOV, A.I., retsenzent; POVALYAYEV, P.I., nauchn.-  
 pedagog. rabotnik, retsenzent; PROKOF'YEV, F.I., nauchn.-  
 pedagog. rabotnik, retsenzent; RYCHKOV, A.I., nauchn.-  
 pedagog. rabotnik, retsenzent; YUROV, S.I., retsenzent;  
 KHROMCHENKO, F.I., ved. red.

[Organization and planning of surveying and topographical  
 work] Organizatsiia i planirovanie geodezicheskikh i to-  
 pograficheskikh rabot. Moskva, Nedra, 1965. 299 p.

(MIRA 18:7)

1. Zaveduyushchiy kafedroy organizatsii i planirovaniya  
 kartografo-geodezicheskikh rabot Moskovskogo instituta  
 inzhenerov geodezii, aerofotos"yemki i kartografii (for  
 Sukhov). 2. Kafedra organizatsii i planirovaniya karto-  
 grafo-geodezicheskikh rabot Moskovskogo instituta inzhe-  
 nerov geodezii, aerofotos"emki i kartografii (for  
 Povalyayev, Prokof'yev, Rychkov, Pavlov). 3. Glavnoye  
 upravleniye kapital'nogo stroitel'stva Ministerstva putey  
 soobshcheniya SSSR (for Rychkov). 4. Nachal'nik Glavnogo  
 upravleniya geodezii i kartografii SSSR (for Baranov).